Personal details

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github.com/antonindurieux

Key skills

- Machine Learning
- Statistics
- Distributed systems
- Signal processing
- Data visualization
- Physical measurements

Programming

- Python (NumPy, Pandas, Statsmodels)
- MATLAB
- Java
- TypeScript
- Git

Data Science

- Scikit-Learn
- Spark
- TensorFlow, Keras
- Hadoop ecosystem
- SQL: PostgreSQL
- NoSQL: Cassandra, Neo4j

Languages

- French
Mother tongue
- English
Fluent, 7.5 at the IELTS test
- Spanish
Basic knowledge

ANTONIN DURIEUX
Data Scientist

After 9 years of experience in geophysical data processing and analysis, I completed a Post Master's Degree in Big Data at Télécom Paris in order to acquire new abilities in Data Science and Machine Learning. I am now looking for new opportunities that would allow me to apply all my skills to transform data into insights in an industrial context.

Work experience

Data Scientist, post-graduate internship – July to December 2020
Tictactrip - *Booking platform for direct or multimodal trips in Europe. Start-up, 10 employees.*

Handling all data-related topics of the company:
- Extraction of insights from technical and business data using PostgreSQL, Metabase and Python on: statistical analysis, data crunching and development of data-visualization dashboards;
- Data analysis for the implementation of a price data cache;
- Improvement of the transport data integration pipeline in Python;
- Development of transport companies data integration APIs in Python and TypeScript.

Exploration geophysicist – 2012 to 2019
CGG - *Geophysical services company. About 5,000 employees.*

Geophysical data processing. Worked for clients in the oil & gas, mining, geothermal and civil engineering industries on:
- Data quality control, processing, modeling and interpretation. Wide range of data types: seismic, electric, gravimetric, electromagnetic;
- Development of internal processing tools in MATLAB;
- Management of data acquisition teams around the world, in 12 countries on 4 continents (Europe, Africa, Asia, Oceania);
- Regular client interactions and presentations of the results.

Geophysicist – 2010 to 2012
GEOLITHE - *Engineer-consultant services in geology, geophysics and geotechnics. About 50 employees.*

Data processing and interpretation. Data acquisition following various methods of near surface geophysical prospecting.

Education

2020   Post Master's Degree in Big Data
Télécom Paris (top french engineering school), Palaiseau, France

Statistics, Machine Learning, Data Engineering, Data Visualization, econometrics.

Company research project: call load forecasting for the Delta Dore company after sales service (time series modeling).

2010   Master's degree in geosciences, geophysics specialization
Joseph Fourier University, Grenoble, France

2006   Technical University Degree in physical measurements
Annecy-le-Vieux Institute of Technology, France

Hobbies

Reading (non-fiction literature on science, social sciences, history), sport (ski, hiking, running), traveling, cooking.